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[Inhibiting HIV-1 Entry: Discovery of D-Peptide Inhibitors that Target the gp41 Coiled-Coil Pocket](#)

DM Eckert, VN Malashkevich, LH Hong, PA Carr, PS ... - Cell, 1999 - Elsevier

... Synthetic C-peptides are potent **inhibitors** of HIV-1 infection. These **inhibitors**, such as C34 or DP178 (see Figure 1 legend), inhibit HIV-1 infection and syncytia formation at nanomolar concentrations in **cell culture** experiments ([25], [47], [35], [11] and [40]). ...

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[Sensitivity of HIV-1 to entry inhibitors correlates with envelope/coreceptor affinity, receptor density, and fusion kinetics](#)

JD Reeves, SA Gallo, N Ahmad, JL ... - Proceedings of the ... 2002 - National Acad Sciences

... **Inhibitors** that block **HIV entry** are under clinical development, including small molecule antagonists ... in drug resistance may do so directly by altering **inhibitor** binding sites ... **Cell culture** supernatants were harvested 24 h posttransfection/infection, and gp120 concentrations were ...

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[pnas.org \[HTML\]](#)
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[A small molecule HIV-1 inhibitor that targets the HIV-1 envelope and inhibits CD4 receptor binding](#)

PF Lin, W Blair, T Wang, T Spicer, Q ... - Proceedings of the ... 2003 - National Acad Sciences

... Because the **HIV entry** process involves at least three sequential stages, additional experiments were performed to ... this series of studies, we conclude that BMS-378806 is an attachment **inhibitor** that interferes ... cells, HIV-1 NL4-3 and HIV-1 LAI were passaged in **cell culture** in the ...

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[Secreted phospholipases A 2, a new class of HIV inhibitors that block virus entry into host cells](#)

D Fenard, G Lambeau, E Valentin, JC ... - Journal of Clinical ... 1999 - Am Soc Clin Investig

... Several HIV-1 **inhibitors** have been described to block **HIV entry** into cells by antagonizing the ... at different times after virus addition until 8 hours, after which the **cell culture** medium was ... The effect of mepacrine (0.1 mM), a general PLA 2 **inhibitor**, and nordihydroguaiaretic acid ...

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[Endocytic entry of HIV-1](#)

OT Fackler, BM Peterlin - Current Biology, 2000 - Elsevier

... **Cell culture** supernatants were harvested 48 h later, cleared through a 45 mm filter (Millipore) and stored at ... Similar results were obtained when endocytic **inhibitors** were present for as little as 1 h, showing ... 2 DC Chan and PS Kim, **HIV entry** and its inhibition, Cell 93 (1998), pp. ...

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[cell.com \[HTML\]](#)

[Viral entry as the primary target for the anti-HIV activity of chicoric acid and its tetra-acetyl esters](#)

W Pluymers, N Nearnati, C Pannecouque, V ... - Molecular ... 2000 - ASPET

... In the case of integrase **inhibitors**, proof of inhibition of the integration step in **cell culture** is rather difficult to achieve ... The observation of the inhibitory effect of CA on **HIV entry** does not necessarily compromise the future of L-CA and its analogs as anti-HIV-1 drugs. ...

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[Suppression of chemokine receptor expression by RNA interference allows for inhibition of HIV-1 replication](#)

MA Martinez, A Gutiérrez, M Armand-Ugon, J Blanco, M ... - Aids, 2002 - journals.lww.com

... The chemokine receptor antagonists AMD3100 and TAK-779 are known **inhibitors** of **HIV entry** and replication [11 ... RNA (siRNA) and infected with increasing concentrations of HIV-1 NL4-3 (a) or BaL (b). After 48 h, p24 antigen was measured in the **cell culture** supernatant of ...

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[Anti-human immunodeficiency virus interactions of SCH-C \(SCH 351125\), a CCR5 antagonist, with other antiretroviral agents in vitro](#)

CL Tremblay, F Giguél, C Kolimann, Y ... - Antimicrobial agents ... 2002 - Am Soc Microbiol

... Thus, understanding potential antiviral drug interactions in **cell culture** is important when considering the addition of new ... Diagnosis, prediction, and natural course of HIV-1 protease **inhibitor**-associated lipodystrophy, hyperlipidaemia, and diabetes: a ... **HIV entry** and its inhibition. ...

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[N-substituted pyrrole derivatives as novel human immunodeficiency virus type 1 entry inhibitors that interfere with the gp41 six-helix bundle formation and block virus ...](#)

S Jiang, H Lu, S Liu, Q Zhao, Y He, AK ... - Antimicrobial agents ... 2004 - Am Soc Microbiol

... Soluble FLSC was purified from **cell culture** medium by lectin chromatography with Galanthus nivalis snowdrop ... HIV-infected cells and uninfected cells is the critical step of **HIV entry** into a ... Chloropectin, a gp120-CD4 binding **inhibitor** having a potent anti-HIV-1 activity (37), was ...

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[Disulfide exchange in domain 2 of CD4 is required for entry of HIV-1](#)


LJ Matthias, PTW Yarn, XM Jiang, N Vandegraaff, ... - Nature ... 2002 - nature.com

... These findings indicate that redox changes in CD4 D2 are important for HIV-1 entry and represent a new target for HIV-1 entry **inhibitors**. ... The reverse transcriptase **inhibitor** lamivudine (3TC), which inhibits HIV-1 DNA synthesis after viral entry, was used as a positive control. ...

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